

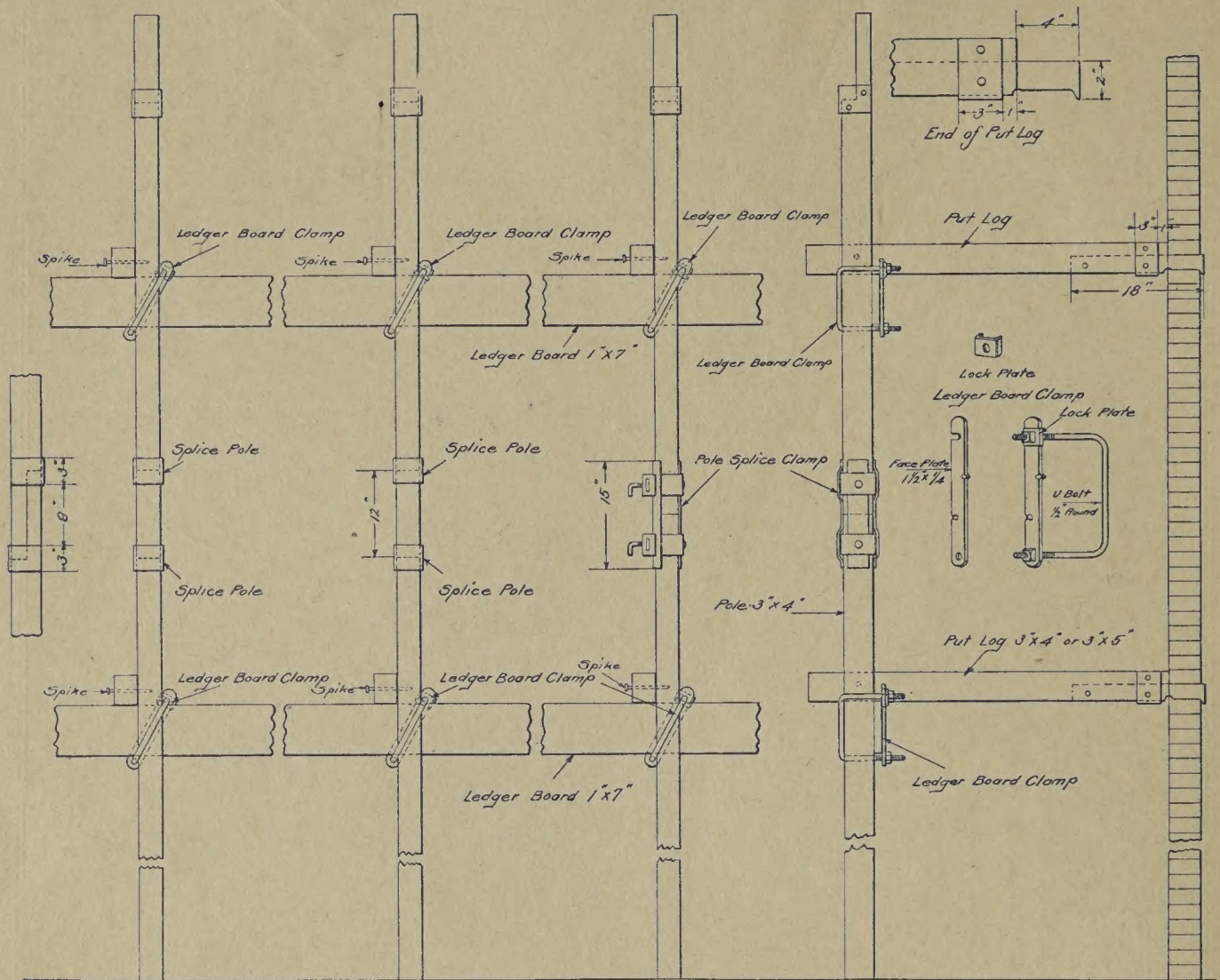
BUILDERS' PATENT SCAFFOLDING COMPANY



45-47 DAY STREET, WEST SOMERVILLE, MASS.

1927

YOUR INITIAL COST IS YOUR FINAL COST



Detail drawing showing end and side view of the 20th Century Economy Scaffolding. We wish to call your attention to the putlog shown on the right which is explained in detail on Page 3. The $\frac{1}{2}$ -inch point on the end of the putlog shown at the upper right-hand corner drops in back of the face brick, tying the putlog securely to the wall.

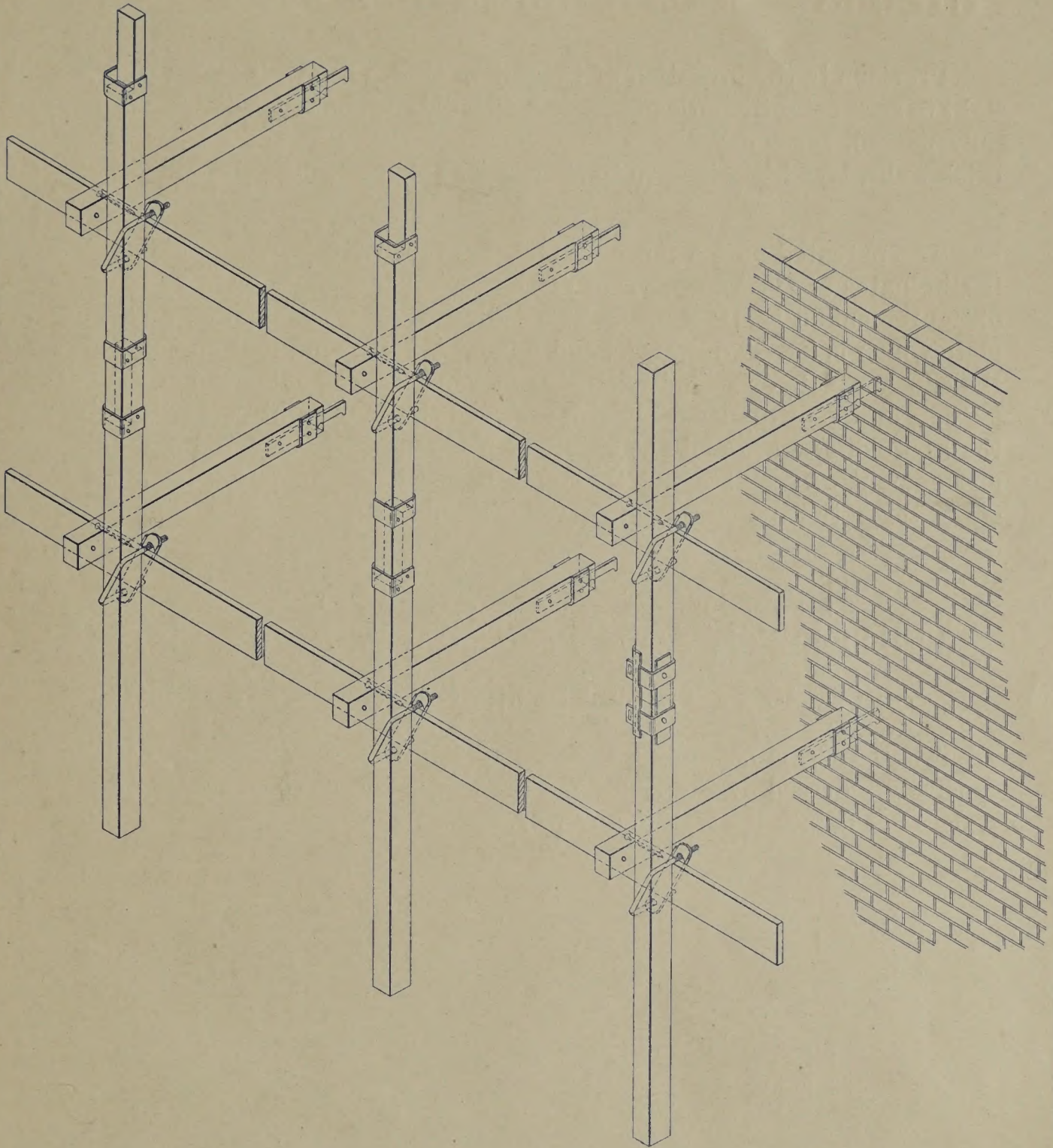
The Ledger Board Clamp, explained on Page 5, not only prolongs the life of the ledger board, but is a preventive of unnecessary accidents.

The Pole Splice Clamp, illustrated on Page 6, has been proven to save at least 70 per cent over the old method of splicing poles. There have been over 20,000 of these clamps placed in the field during the past six months.

The Splice Pole, shown on the left of this sectional view, is not only used for exterior scaffolding but has been extensively adopted by decorators and plasterers for interior of churches, halls, theatres, etc.

This Splice Pole is shipped complete ready for use. Starter Poles are eight feet long and intermediate or two splice poles are 11 feet long.

CUT DOWN THAT OVERHEAD EXPENSE



The above cut is the drawing on the opposite page shown in perspective. You will note that no braces or stays are shown as they are not necessary on the 20th Century Economy Scaffolding. This is borne out by the pictures on pages 9, 10, 11, 12, 13 and 14 showing the scaffolding in actual use. The putlog will not injure, deface or pull the wall in any way. These facts are proven on pages 15 and 16. Consider the simple construction, easily erected and dismantled, and so built that no mistakes are possible, thus minimizing the possibility of accidents through faulty erection.

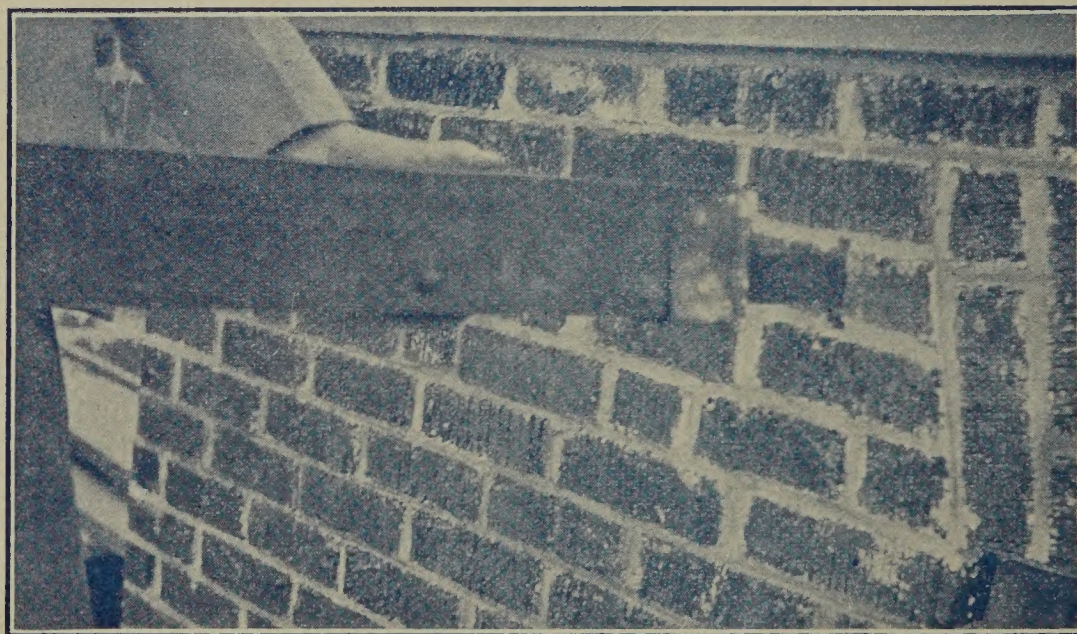
PUTLOGS FOR EXTERIOR POLE SCAFFOLDING

Previous to the invention of the putlog shown below, it was a common sight to see unsightly putlog holes in new buildings, but that day has practically passed, for today the contractor who leaves unsightly holes in the brick walls, lays himself open to charges of using antiquated methods.

The patented putlog not only makes a much stronger scaffolding, but it eliminates at least 90 per cent of the rack or cross stays, and leaves no disfigurement in the masonry. The putlog is constructed with a clincher plate which is inserted into the end joint. A half inch point on the end of the clincher plate drops in back of the face brick. The outer end of the putlog sets on top of the ledger board, fastened to the upright pole—this gives the scaffolding an in and out stay which is much stronger and safer than any amount of rack staying that may be used. Each putlog is tested to carry three times the maximum weight ordinarily placed on a platform.

The Double Pole Scaffolding Has Been Proven Obsolete Since the Patented Putlog Has Been Obtainable

The putlog is not only a money saver to the contractor, but it is extensively indorsed by the leading architects in the Eastern States because it does not deface the wall in any way.



PUTLOG BEING INSERTED INTO THE END JOINT

The following articles comprise our masonry scaffolding. We will be pleased to quote you on staging your job complete or, if you prefer, you may purchase any of these articles separately. All prices quoted are in one hundred lots.

STANDARD PUTLOGS

- 3 x 4 x 5 ft. 6 in.
- 3 x 5 x 5 ft. 6 in.
- 3 x 5 x 7 ft.

SPECIAL REINFORCED PUTLOGS

- 3 x 5 x 8 ft.

ANGLE PUTLOGS (for corners)

- 3 x 5 x 7 ft.

INSIDE PUTLOG HORSES

- 4-ft. 6-in. high, 5-ft. 6-in. long
- 5-ft. high, 5-ft. 6-in. long

FOUR LEGGED FOLDING HORSES

- 4-ft. 6-in. High, 5-ft. 6-in. long
- 5-ft. high, 5-ft. 6-in. long.....

POLE SPLICE CLAMPS

- 3 x 4
- 4 x 4

LEDGER BOARD CLAMPS

- Specify size of ledger and pole used.....
-

STARTER POLES

- 3 x 4 x 8 ft.
- 4 x 4 x 8 ft.

TWO SPLICE POLES

- 3 x 4 x 11 ft.
- 4 x 4 x 11 ft.

Builders' Patent Scaffolding Company

BRANCH OFFICES

2039 Grand Central Terminal
New York, N. Y.
Telephones { Stuyvesant 8667
 { Vanderbilt 7580

Cleveland, Ohio
Rochester, N. Y.
Passaic, N. J.

EXECUTIVE OFFICE

45 Day Street
West Somerville, Mass.

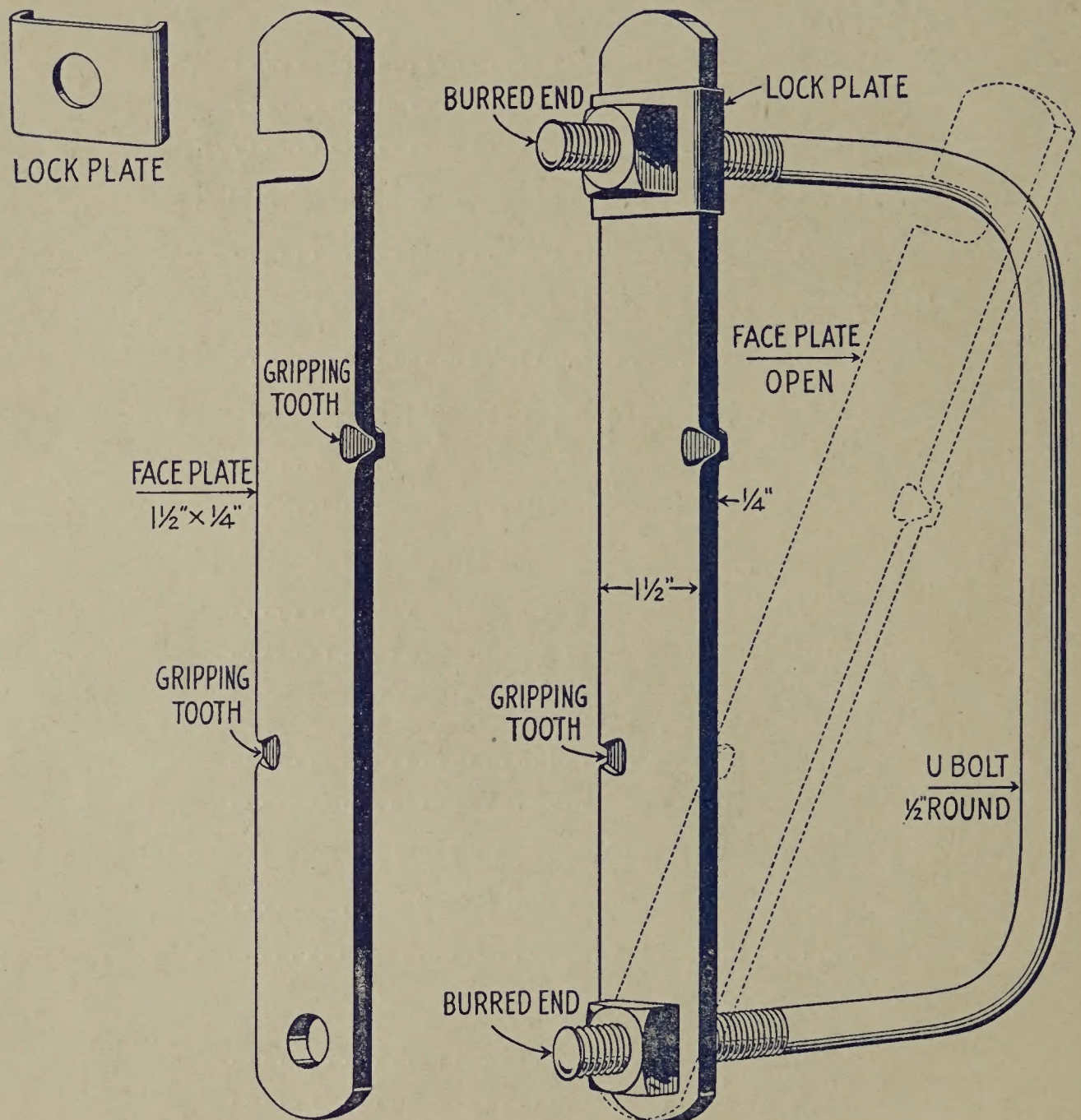
Somerset 4050

BRANCH OFFICES

333 Woodward Building
Washington, D. C.
Main 4769

Philadelphia, Pa.
Harrisburg, Pa.
Clarksburg, W. Va.

A SIMPLIFIED LEDGER BOARD CLAMP



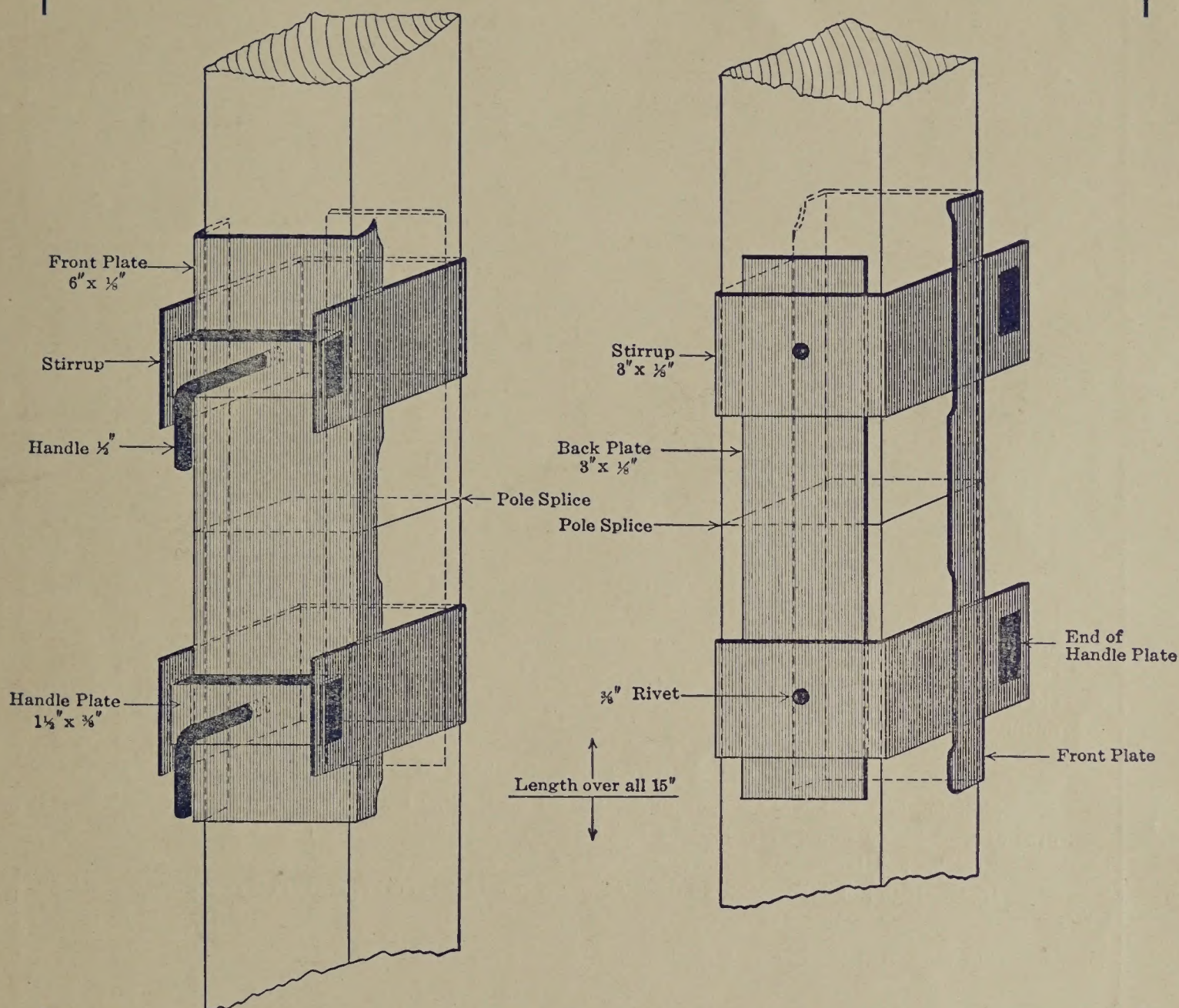
This ledger clamp is used not only to prolong the life of the ledger board, but also to safeguard the contractor from any unnecessary accidents. They not only speed up the erection and dismantling of the scaffolding, but can easily be applied by one man.

When a clamp tested to carry 8000 pounds is used, the contractor is assured he is taking every precaution to prevent any unnecessary accident through the faulty nailing of ledger boards.

By the adoption of this clamp you do not destroy the ledger boards. Outside of weather discolorations, the ledgers are in the same condition as when originally purchased.

This clamp is very easily applied. The ends of the clamp are burred so as to prevent losing the nuts. In applying the clamp, simply unscrew the face plate and release same from the lock plate; place clamp in position around upright pole and ledger board with the lock plate at the top, so that the face plate will cross the ledger board on a 45 degree angle. Place the face into the lock plate and tighten up nuts, until the gripping teeth are firmly imbedded into the ledger board.

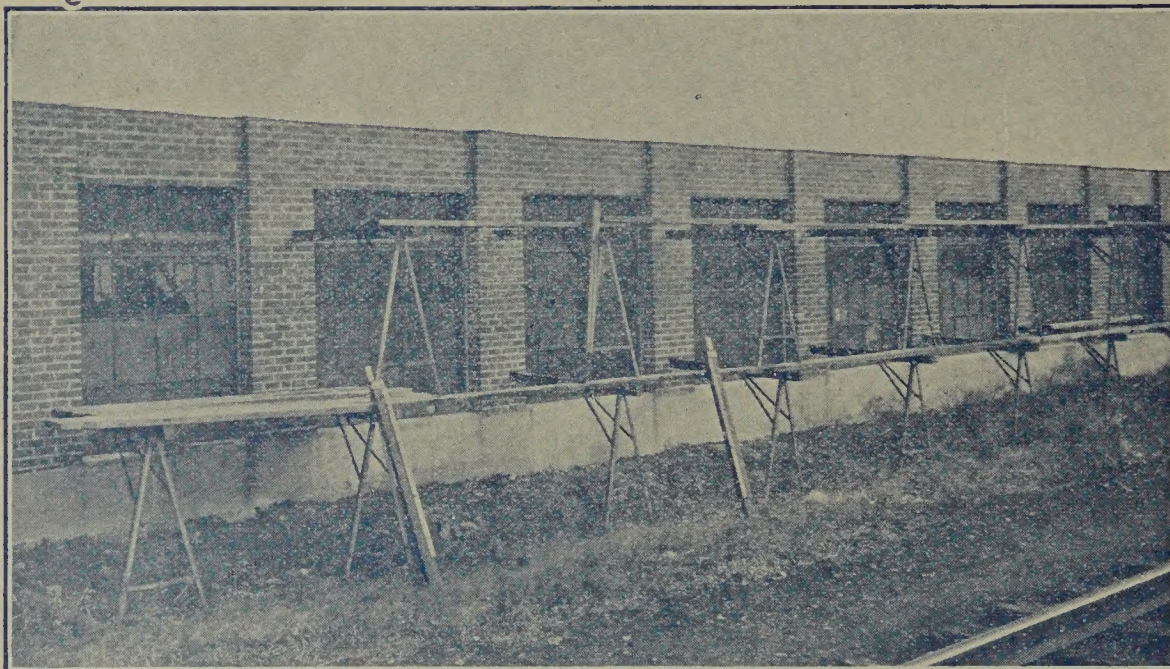
A POLE SPLICE CLAMP That Cannot Slip



One man can splice five poles using this clamp while two men are splicing one pole the old way. Note that the clamp is made in one piece so there is no danger of losing any part of it. The clamp is made sufficiently strong of heavy steel and rugged construction so that it will carry the maximum load placed on the scaffolding. Each clamp is assembled by hand and properly coated to prevent rust.

We can assure any contractor a saving of at least 70 per cent in labor and material each time this clamp is used. Isn't this saving worth considering? Clamps are made in two sizes for 3x4 and 4x4 poles.

INSIDE FOLDING PUTLOG HORSE



The inside folding putlog horse takes the place of the old style horse and can be used when laying brick on the inside of a building. It has a clincher plate on one end and on the other end are legs made of 1½-inch angle steel, standing four feet six inches and five feet high. When closed it does not take up any more room than a 4x4 joist; 100 can be hauled as easily as four old style horses. One man can handle them instead of two men, saving one man's time and reducing the cost of your work.

ERECTING HORSE SCAFFOLD

Building horse scaffold using Builders' Patent Scaffolding Co.'s folding putlog horses. The area of wall staged was 48 feet long by two horses high or a working space of 720 square feet.

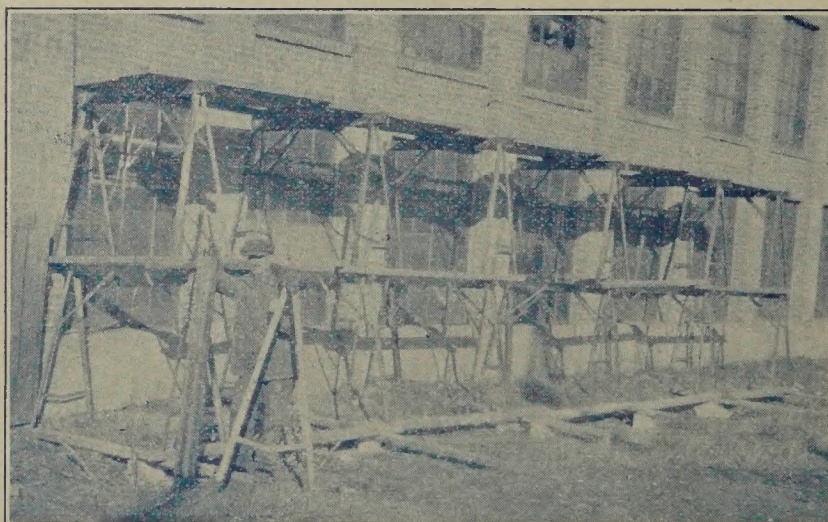
Erecting: 1 laborer 35 minutes @ \$.80 per hour\$.47

Dismantling: 1 laborer 25 minutes @ \$.80 per hour27

\$.74

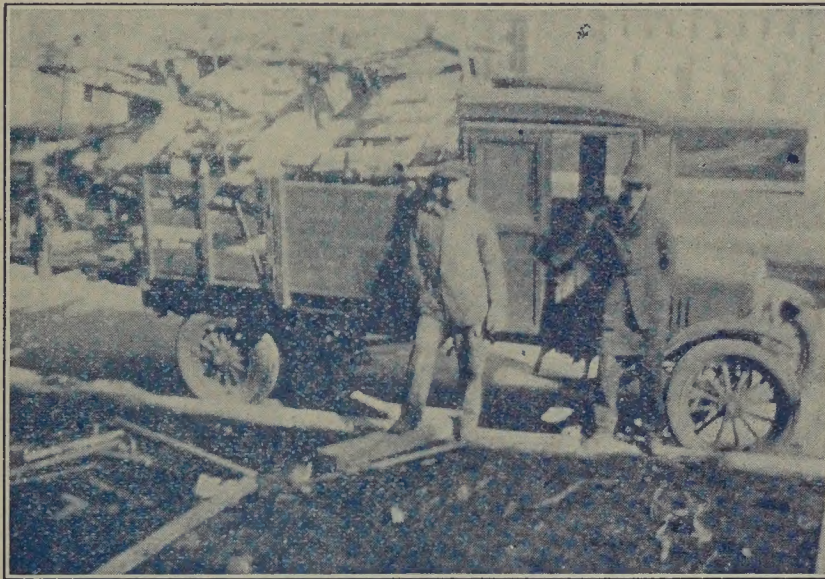
The labor cost of erecting a folding four-legged horse is the same as the above.

FOLDING FOUR-LEGGED HORSES



LOADING TWELVE WOODEN HORSES

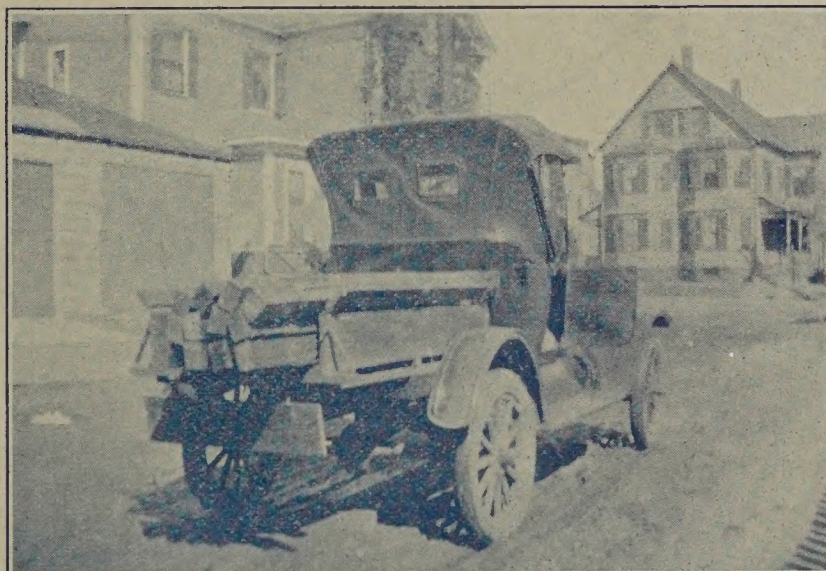
These horses are the old fashioned type and truck is 2½-ton capacity.
Two laborers loading and unloading 15 minutes @ \$.80 per hour, \$.40



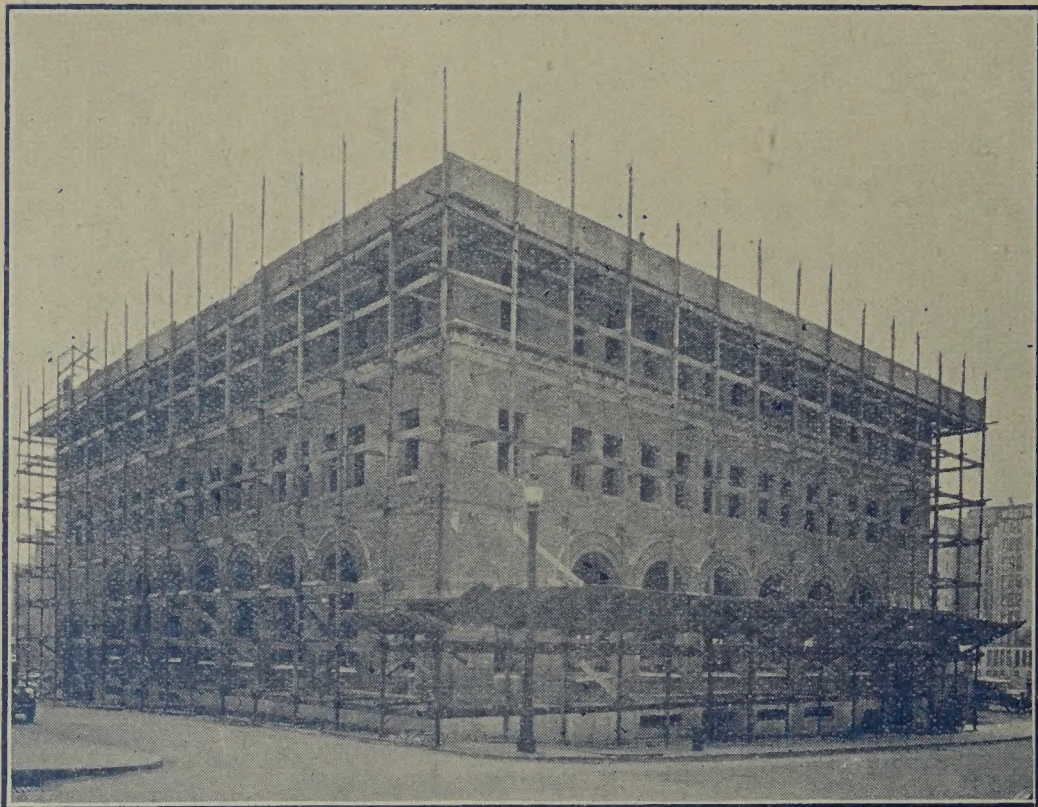
LOADING TWELVE FOLDING PUTLOG HORSES

These horses are transported in a ¼-ton Ford Truck as shown in the following cut.

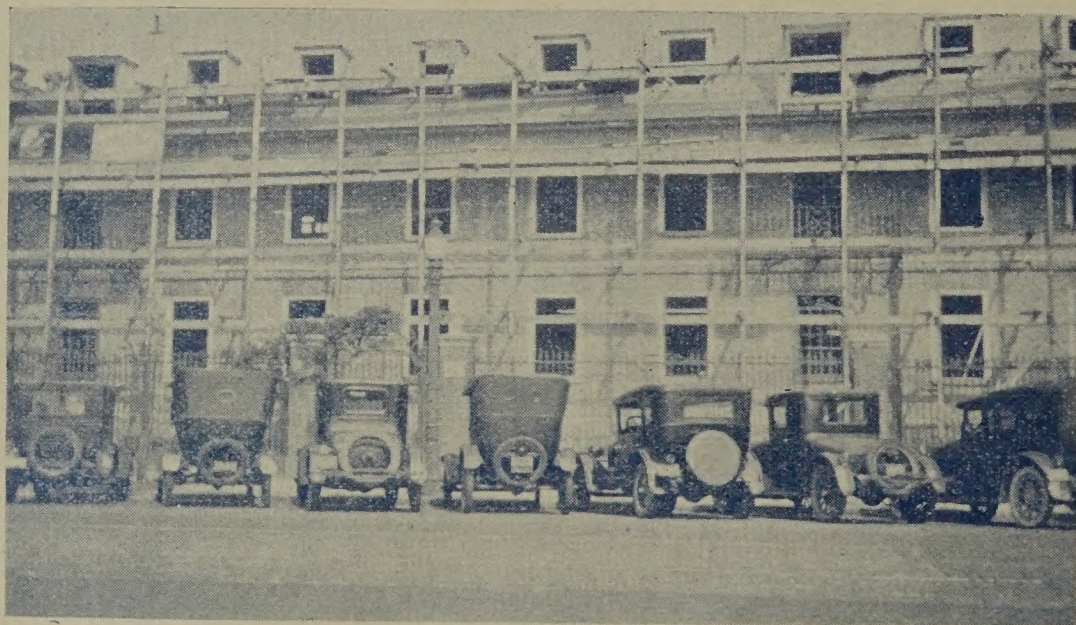
Time required in loading, 1 laborer 5 minutes @ \$.80 per hour, \$.07



Notice the Absence of Braces and Rack Stays



OTIS ELEVATOR BUILDING, BOSTON, MASS.
STONE & WEBSTER, Inc., General Contractors, Boston, Mass.



HOLDEN DORMITORY, HARVARD UNIVERSITY
IRA G. HERSEY, General Contractor, Boston, Mass.

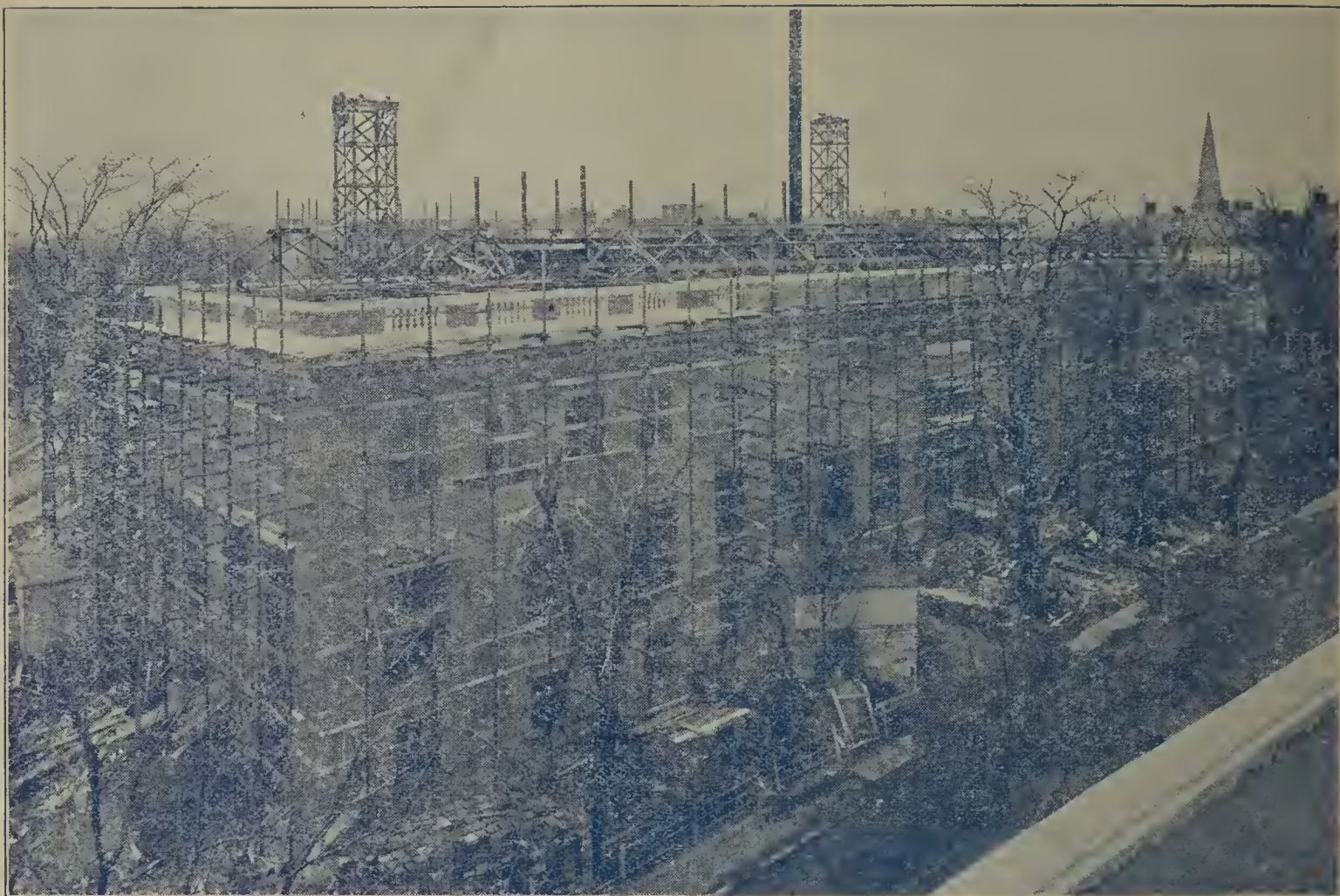
A Single Pole Scaffolding with No Brick Left Out



NURSES' HOME, R. I. STATE HOSPITAL, PROVIDENCE, R. I.
STARRETT BROS., General Contractors, New York



R. I. STATE HOSPITAL BUILDING, PROVIDENCE, R. I.
STARRETT BROS., General Contractors, New York



FOGG MUSEUM, HARVARD UNIVERSITY, CAMBRIDGE, MASS.

A Saving of 60% in Labor and Material

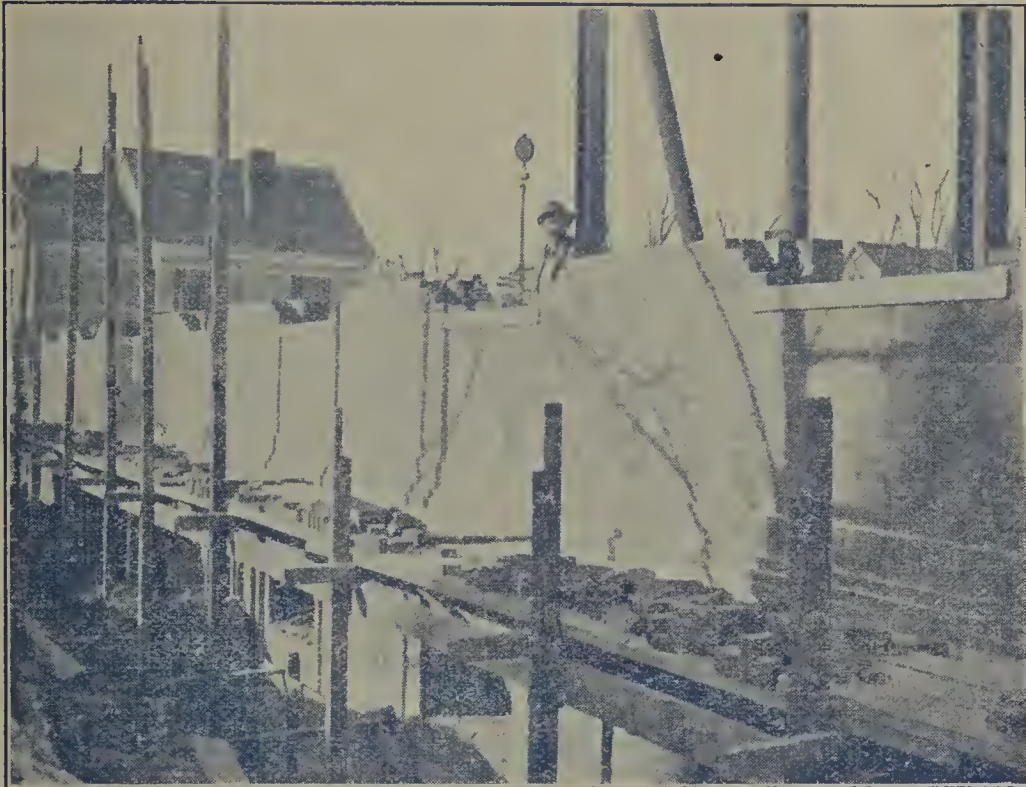
One of the seven buildings at Harvard University, Cambridge, Mass., on which our scaffolding has been used by Hegeman-Harris Company, 360 Madison Avenue, New York. By the adoption of our putlog they have eliminated all putlog holes and 90 per cent of all stays. The splice poles on this building can be spliced in five seconds by one man. The ledger clamps not only prolong the life of the ledger board, but they prevent unnecessary accidents.

The contractors on this job were so well satisfied with our scaffolding that they are using it on other work now under construction.

Evidently they find the 20th Century Economy Scaffolding is the best and most economical on the market.

If they can save money, so can any other contractor.

The Starting of Your Scaffolding

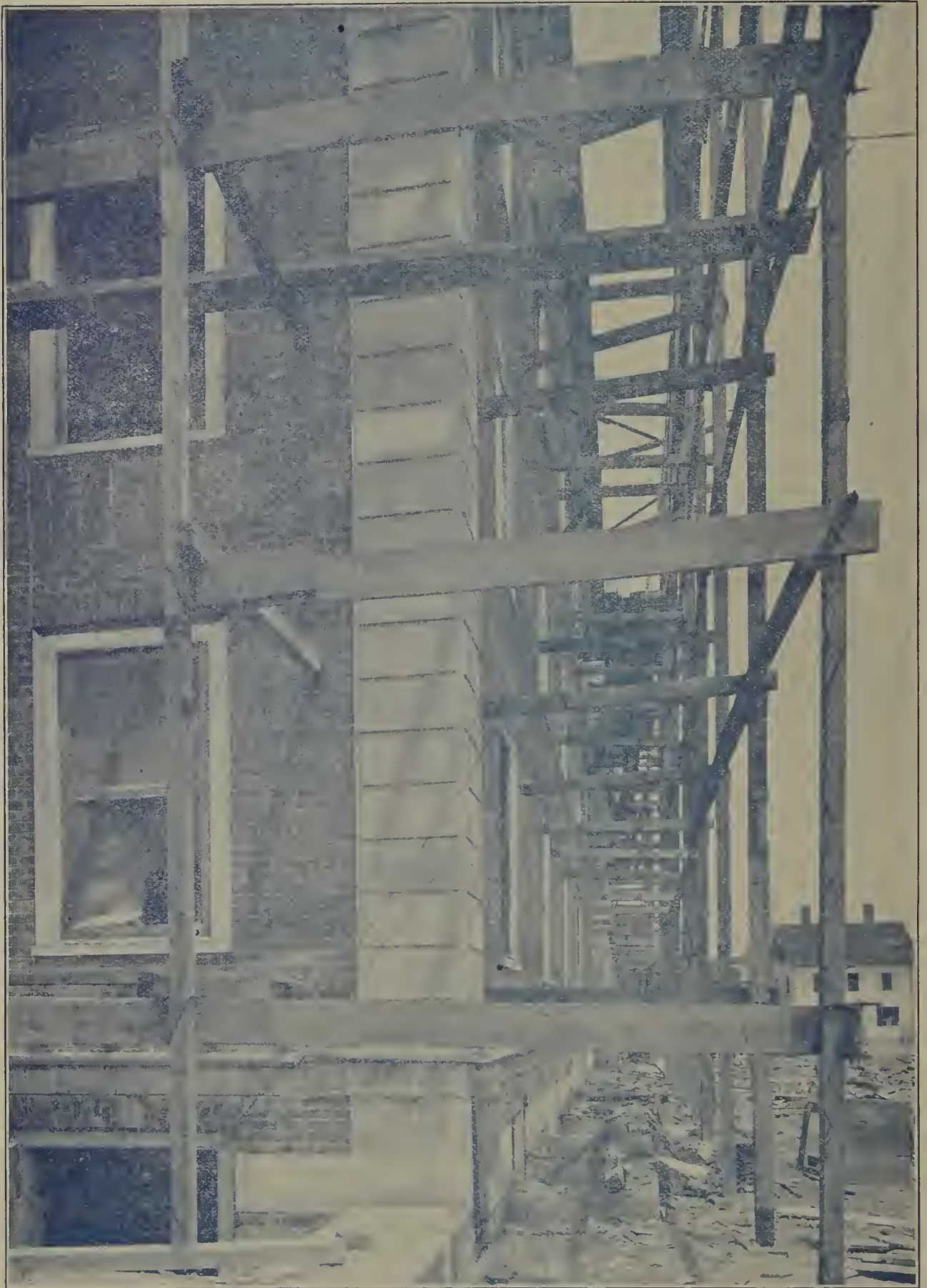


One man will splice ten of these poles while two men are cleating one the old way.



The Completed Scaffolding which was erected by one man.

Why Braces and Stays Are Not Necessary



Sectional view of the Twentieth Century Economy Scaffolding. Note the absence of stays and how firmly each putlog is anchored to the wall.

Compare the Two Pictures

and you can readily see why you

Save sixty to seventy per cent by using our scaffolding



IS THIS YOUR JOB?

There were 2440 splices, 2540 braces and 53,880 nails in this scaffolding. The lumber used represents 31 truck loads of $2\frac{1}{2}$ tons each.

Contractors are beginning to realize that by overloading their scaffolding with braces and stays they are weakening the scaffolding instead of strengthening it.



A SCAFFOLDING TO BE PROUD OF

There were 1200 Putlogs used on this job. The absence of stays and rack stays gives a clear staging at comparatively low cost.

GEORGE A. FULLER COMPANY

Building Construction

11 Beacon Street, Boston, Mass.

February 25, 1927.

Builders' Patent Scaffolding Co.,
45 Day Street, West Somerville, Mass.

Gentlemen :

We do not hesitate to recommend to the trade the use of your patented "Putlogs" in connection with pole scaffold on wall bearing jobs, for safety, expediency and economy. This is borne out by a long continued use of your Pole Scaffold covering a period of at least 25 years here in Boston.

Very truly yours,

GEORGE A. FULLER COMPANY,

J. E. Fuller, Vice-President.

SKINNER & COOK, BUILDERS

280 Madison Avenue, New York

January 25, 1927

Builders' Patent Scaffolding Co.,
2039 Grand Central Terminal, New York.

Gentlemen :

For the past two years we have used your putlogs on all of our brickwork. We have not had a putlog accidentally pull from the wall; they tie the scaffolding securely to the wall and give a rigid and safe working platform. We are glad to give your putlogs our highest endorsement.

Very truly yours,

SKINNER & COOK,

By R. B. Skinner.

FRED S. BRENNAN CO.

Builders

11 Beacon Street, Boston, Mass.

January 19, 1927

Builders' Patent Scaffolding Co.,
45 Day Street, West Somerville, Mass.

Dear Sirs :

Referring to our conversation about the experience we have had using your patent staging, we are pleased to say that we have been users of this staging for a great many years and have had the greatest satisfaction with same, both in the economy of erection, dismantling and safety.

Your patent putlog has pleased us very much by its in and out staying of the staging and has eliminated a great deal of staying which we have found in the past to be a considerable item both in regard to material and labor wasted. We feel that by using your putlog that the staging is safe from any swaying in and out and have found that the men working on the stage have a great deal of confidence in their safety.

We would not hesitate to recommend it to anyone requiring staging for building construction.

Very truly yours,

F. S. BRENNAN COMPANY,

F. S. Brennan

PANZIERI-HOGAN COMPANY, INC.

Building Construction

Albany, New York

May 21, 1925.

Builders' Patent Scaffolding Co.,
45-47 Day Street, West Somerville, Mass.

Gentlemen :

Please ship to us by freight at once the following :

100 3x5 Putlogs,
100 Ledger Board Clamps.

Your trial order of March 9th, has proved very satisfactory we therefor will require the above to complete the work we are using them on.

Very truly yours,

PANZIERI-HOGAN CO., INC.

F. V. Hogan, Secy.-Treas.

Established in 1875

THE JAMES FORRESTAL COMPANY

Office : Sixty Fishkill Avenue

Beacon, New York Telephone 187

General Contractors

May 11, 1926.

Builders' Patent Scaffolding Co.,
45 Day Street, West Somerville, Mass.

Gentlemen :

During the past year we purchased some of your scaffolding for use in our work. We wish to state that we are more than pleased with this type of scaffolding and find it is most economical means of taking care of this detail of our construction. Our only regret is that we had not been using this long before we did.

Very truly yours,

THE JAMES FORRESTAL CO.

Henry A. Forrestal, Vice-President.

CULHANE-DOOLEY, INC.

Builders

244 Madison Avenue, New York, N. Y.

January 21, 1927.

Builders' Patent Scaffolding Co.,
45 Day Street, West Somerville, Mass.

Gentlemen :

Re- The Cenacle, Lake Ronkonkoma, L. I.

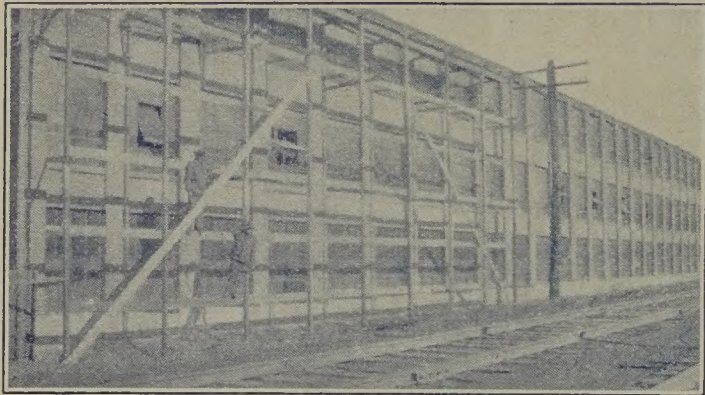
We are pleased to advise you that we used for outside scaffolding on the above building, the putlogs manufactured and sold by you with very satisfactory results. The periphery of this building is approximately 800 feet and although we used a number of your putlogs, at no time in the course of construction did any of them pull out from the walls. We find they make a perfectly safe staging and are fully sufficient as in and out stays or ties.

Very truly yours,

CULHANE-DOOLEY, INC.,

By J. M. Dooley.

Comparison of Erection Cost of Outside Scaffoldings



PHOTOGRAPH NO. 1

Building pole scaffolding old way leaving out brick for putlog holes, splicing poles old way, and securely staying the stage. This cost includes the time erecting, dismantling, cleaning stock and filling putlogs holes. See Photo No. 1.

The area of wall staged was 60 ft. long, 35 ft. high, or 2100 square feet.

Erecting:

2 Laborers, 9 hours each @ \$.80
per hour \$14.40

Dismantling:

2 Laborers, 3 hours 15 minutes 5.20

Cleaning nails from stock:

1 Laborer 2 and ¼ hours 1.80

Filling 54 putlog holes:

1 Mason, 8 hours @ \$1.50 per hour 12.00

1 Tender, 2 hours @ \$.80 per hour 1.60

Mortar used 1.50

Stock destroyed:

4 Ledger Boards 1x7x16 ft. @
\$50 M. 1.87

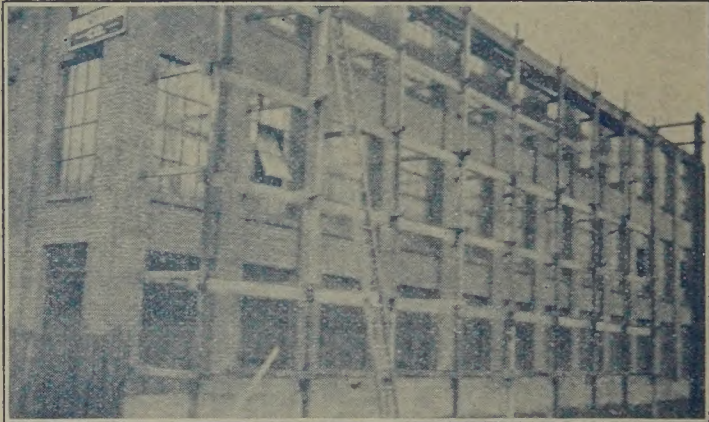
37 Sq. Ft. 1x4 used for splices @
\$50 M 1.35

Nails wasted (10d cnt nails), 22
lbs. @ \$.0488

Total \$40.60

Stock used:

666 lineal feet of 3x4 Poles and Putlogs
224 B. M. 1x7x16 Ledger Boards
110 B. M. 1x5 Stays
534 B. M. 2x10x16 Plank.



PHOTOGRAPH NO. 2

Building Pole Scaffolding using Builders' Patent Scaffolding Co. equipment. The areas of walls staged was 60 ft. long, 35 ft. high or 2100 square feet, same as in previous test. This includes erecting, dismantling and filling in joints left open for clincher plate on putlog. See Photo No. 2.

Erecting:

2 Laborers, 5 hours @ \$.80 per h \$8.00

Dismantling (stacking in neat pile)

2 Laborers, 1 hour 50 minutes @
\$.80 per hour 2.94

Filling 54 end joints:

1 Mason, ½ hour at \$1.50 per hour .75

1 Tender, ¼ hour @ \$.80 per hour .20

Mortar used20

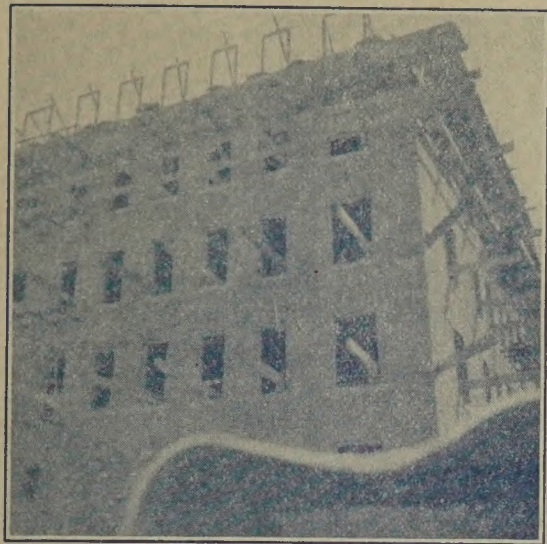
Total \$12.09

Building same scaffold using Pole Splice Clamps instead of splice poles add 9 minutes 30 seconds for 1 Laborer at \$.80 an hour or \$.10.

Note to estimators using these costs: Add 10% more for each additional 10 feet over 35 feet. The laborers in this test carried stock 75 ft.

Stock used:

50 Putlogs
9 Starter Poles
18 2-Splice Poles
9 Finish Poles
54 Ledger Clamps
24 Ledger Boards
20 Planks.



PHOTOGRAPH NO. 3



PHOTOGRAPH NO. 4

ERECTION COST OF OUTRIGGER SCAFFOLDING

Building outrigger scaffolding using plank outriggers and horses. This includes time erecting, dismantling, filling outrigger holes in wall and waste material. The area of wall staged was 133 feet long by 10 feet high a working space for masons of 15 feet high or 1995 square feet. Note photos 3 and 4.

Erecting :	
2 Laborers, 16 hours @ \$1.00 per hour	\$32.00
Dismantling :	
2 Laborers 3 hours each @ \$1.00 per hour	6.00
Filling outrigger holes left in wall :	
1 Mason, 3 hours @ \$1.85 per hour	5.55
1 Tender 1 hour @ \$1.00 per hour	1.00
4 Pails of motar @ \$.25 per pail	1.00
Stock destroyed :	
60 lineal feet of 1x4 @ \$45.00 M90
7 lbs various size nails @ \$.03½ per lb25
Filling in 17 holes chopped in floor :	
1 Carpenter 20 minutes @ \$1.20 per hour40
Nails and stock30
	<hr/>
	\$47.40

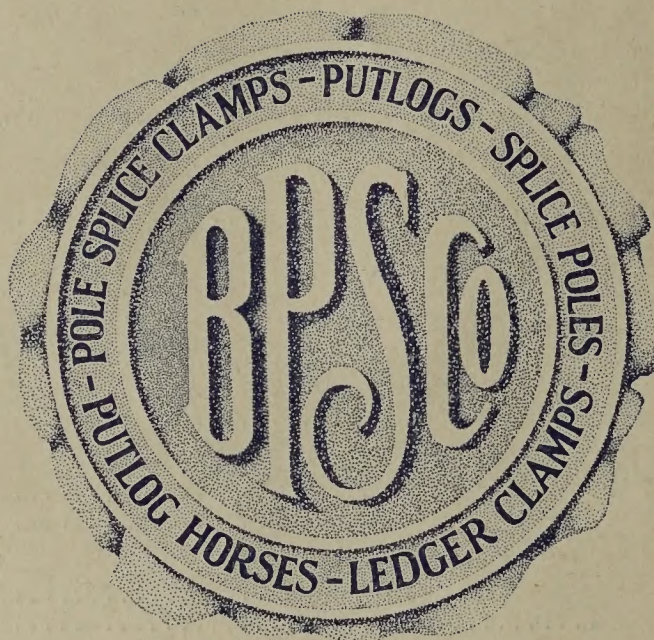
No time was allowed for cleaning stock as some contractors do not take their outriggers apart. Timekeeper spent three days obtaining these costs, had free access to the building and checked his time with the stage builders, both of whom have had over ten years' experience building this type of scaffold. Bricklayers and laborers stopped work each day at 3 P.M. to allow the carpenters to lay the floor.

Stock used :	
17 Horses @ \$2.75 each	\$ 48.75
149 Planks	156.50
	<hr/>
	203.20

Total	\$250.65
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Building pole scaffolding using Builders' Patent Scaffolding Co. equipment for the same area as above:

Labor, erecting and dismantling :	
2 Laborers, 6 hours @ \$1.00 per hour	\$12.00
Stock used :	
40 Putlogs	}
20 2-Splice Poles	
40 Ledger Clamps	
19 Ledger Boards	
50 Planks,	
	\$169.50
	<hr/>
Total	\$181.50



Catalog No. 26B